

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Priority Application Serial No. 09/438,310
Priority Filing Date November 10, 1999
Inventor Mark A. Helm et al
Assignee Micron Technology, Inc.
Priority Group Art Unit 2814
Priority Examiner S. Rao
Attorney's Docket No. MI22-2478
Title: Gated Semiconductor Assemblies and Methods of Forming Gated
Semiconductor Assemblies

INFORMATION DISCLOSURE STATEMENT
PURSUANT TO 37 C.F.R. §§ 1.56, 1.97 AND 1.98

In compliance with 37 C.F.R. §§ 1.56, 1.97 and 1.98, your attention is directed to the United States patents and other references listed on the attached Form PTO-1449. No admission is made regarding whether all the submitted references are prior art.

The listed references were cited by, or submitted to, the Office in the parent, co-pending application of the above-identified application. The above-identified application is a continuation application of co-pending application Serial No. 09/438,310, filed November 10, 1999. Such prior disclosure is sufficient for the above-identified application as far as copies of the references are concerned. 37 C.F.R. § 1.98(d) and MPEP § 609(2).

Citation of these references is respectfully requested.

Respectfully submitted,

Dated: 30 Jan 2004

By: _____

James E. Lake
Reg. No. 44,854

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| Form PTO-1449 | | U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | | ATTY. DOCKET NO. M122-2478 | Priority SERIAL NO. 09/438,310 |
| LIST OF ART CITED BY APPLICANT (Use several sheets if necessary) | | | | APPLICANT Mark A. Helm | |
| | | | | Priority FILING DATE November 10, 1999 | Priority GROUP 2814 |

| U.S. PATENT DOCUMENTS | | | | | | | |
|-----------------------|-----------------|-----------|------------------|-------|----------|----------------------------|--|
| *Examiner Initial | Document Number | Date | Name | Class | Subclass | Filing Date If Appropriate | |
| | AA | 5,219,788 | Abernathy et al. | | | | |
| | AB | 5,045,847 | Tarui et al. | | | | |
| | AC | 5,045,345 | Singer | | | | |
| | AD | 4,996,081 | Ellul et al. | | | | |
| | AE | 3,884,698 | Kakihama et al. | | | | |
| | AF | 5,518,946 | Kuroda | | | | |
| | AG | 5,489,542 | Iwai et al. | | | | |
| | AH | 4,330,569 | Gulett et al. | | | | |
| | AI | 4,499,656 | Fabian et al. | | | | |
| | AJ | 5,554,418 | Ito et al. | | | | |
| | AK | 5,926,739 | Rolfson et al. | | | | |
| | AL | 4,874,716 | Rao | | | | |

| FOREIGN PATENT DOCUMENTS | | | | | | | |
|--------------------------|-----------|-----------|-------|----------|-------------|----|--|
| Document Number | Date | Country | Class | Subclass | Translation | | |
| | | | | | Yes | No | |
| AM | 401086562 | JP (3/89) | | | | | |
| AN | 362137854 | JP (6/87) | | | | | |
| AO | 2129217 | GB (5/84) | | | | | |
| AP | 2170649 | GB (8/86) | | | | | |
| AQ | 2145243 | GB (3/85) | | | | | |

| OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, Etc.) | | |
|---|--|---|
| AR | | Silicon Proc. for VLSI; 177-178; Vol. 1; S. Wolf |
| AS | | Silicon Proc. for VLSI; 191-193; Vol. 1; S. Wolf |
| AT | | Silicon Proc. for VLSI; 37-38; 598-599; Vol. 2; S. Wolf |

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| U.S. PATENT DOCUMENTS | | | | | | |
| *Examiner Initial | Document Number | Date | Name | Class | Subclass | Filing Date If Appropriate |
| | AA | 5,587,344 | 12/96 | Ishikawa | | |
| | AB | 4,439,270 | 3/84 | Powell et al. | | |
| | AC | 5,773,325 | 6/98 | Teramoto | | |
| | AD | 5,904,523 | 5/99 | Feldman et al. | | |
| | AE | 5,891,793 | 4/99 | Gardner et al. | | |
| | AF | 5,795,821 | 8/98 | Bacchetta et al. | | |
| | AG | 5,918,147 | 6/99 | Filipiak et al. | | |
| | AH | 5,882,978 | 3/99 | Srinivasan et al. | | |
| | AI | 4,612,629 | 9/86 | Harari | | |
| | AJ | 5,831,321 | 11/98 | Nagayama | | |
| | AK | 3,549,411 | 12/70 | Bean | | |
| | AL | 4,446,194 | 5/84 | Candelaria et al. | | |
| FOREIGN PATENT DOCUMENTS | | | | | | |
| | Document Number | Date | Country | Class | Subclass | Translation |
| | | | | | | Yes No |
| | AM | | | | | |
| | AN | | | | | |
| | AO | | | | | |
| | AP | | | | | |
| OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, Etc.) | | | | | | |
| | AQ | | Electronic Materials Science: For Integrated Circuits; 1990 ©; Mayer et al; pp. 269-274; Pub. 1990 | | | |
| | AR | | Intrinsic Stress in Silicon Nitride and Silicon Dioxide Films Prepared by Various Deposition Techniques; 1988 IEEE Internatl. Sympos. On Electrical Insulation, Boston, MA; June 5-8, 1988; 1 page; Kanicki, J. et al. | | | |
| | AS | | Passivation of GaAsFET's with PECVD Silicon Nitride Films of Different Stress States; IEEE Transactions on Electron Devices; Vol. 35, No. 9; Sept. 1988; pp. 1412-1418 | | | |
| EXAMINER | | | DATE CONSIDERED | | | |
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| U.S. PATENT DOCUMENTS | | | | | | |
| *Examiner Initial | Document Number | Date | Name | Class | Subclass | Filing Date If Appropriate |
| | AA | 4,485,553 | 12/84 | Christian et al. | | |
| | AB | 4,543,707 | 10/85 | Ito et al. | | |
| | AC | 5,098,865 | 3/92 | Machado et al | | |
| | AD | 5,160,998 | 11/92 | Itoh et al. | | |
| | AE | 5,306,946 | 4/94 | Yamamoto | | |
| | AF | 5,442,223 | 8/95 | Fujii | | |
| | AG | 5,523,616 | 6/96 | Den | | |
| | AH | 5,756,404 | 5/98 | Friedenreich et. | | |
| | AI | 5,834,374 | 11/98 | Cabral Jr. et al | | |
| | AJ | 4,695,872 | 9/87 | Chatterjee | | |
| | AK | 5,178,016 | 1/93 | Dauenhauer et. | | |
| | AL | 5,985,771 | 11/99 | Moore et al. | | |
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| | AM | | | | | |
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| | AP | | | | | |
| | AQ | | | | | |
| OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, Etc.) | | | | | | |
| | AR | | Silicon Nitride Overcoats for Thin Film Magnetic Recording Media; IEEE Transactions on Magnetism; Vol 27. No. 6, Nov. 1991; pp. 5070-5072 | | | |
| | | | | | | |
| | AS | | | | | |
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| | AT | | | | | |
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| U.S. PATENT DOCUMENTS | | | | | | | |
| *Examiner Initial | Document Number | Date | Name | Class | Subclass | Filing Date If Appropriate | |
| | AA | 3,649,884 | Haneta | | | | |
| | AB | 4,868,632 | Hayashi | | | | |
| | AC | 5,304,829 | Mori et al. | | | | |
| | AD | 5,925,494 | Horn | | | | |
| | AE | 4,075,367 | Gulett | | | | |
| | AF | 4,732,858 | Brewer et al. | | | | |
| | AG | 4,698,787 | Mukherjee et al. | | | | |
| | AH | 4,939,559 | DiMaria et al. | | | | |
| | AI | 6,140,181 | Forbes et al. | | | | |
| | AJ | 6,143,627 | Robinson | | | | |
| | AK | 5,877,069 | Robinson | | | | |
| | AL | 6,093,956 | Moore et al. | | | | |
| FOREIGN PATENT DOCUMENTS | | | | | | | |
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| U.S. PATENT DOCUMENTS | | | | | | |
| *Examiner Initial | Document Number | Date | Name | Class | Subclass | Filing Date If Appropriate |
| | AA | 6,103,619 | 8/00 | Lai | | |
| | AB | 6,265,241 | 7/01 | Pan | | |
| | AC | 6,417,559 B1 | 07/02 | Moore et al. | | |
| | AD | 6,300,253 | 10/01 | Moore et al. | | |
| | AE | 5,041,888 | 08/91 | Possin et al. | | |
| | AF | 6,143,662 | 11/00 | Rhodes et al. | | |
| | AG | 5,985,771 | 4/7/98 | Moore, John T. | | |
| | AH | 6,420,777 | 07/02 | Lam et al. | | |
| | AI | | | | | |
| | AJ | | | | | |
| | AK | | | | | |
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